



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**RB 92700-10301-041-PO**  
**Job Sheet 185622**



**Part No:** RB 92700-10301-041-PO

**Job Qty:** 1 ea

**Part Name:** Pitch Beam Puller



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 10/31/18

**Job Tracking No:**

**Due Date:** 12/14/18

**Created By:** Patrick Lussier

**Type:** Stock

**Description:**

**Note:** DWG RB 92700-10301-041 Rev.A IPP Rev. A 18.10.29 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation  | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off       |
|-------|------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------------|
|       |            |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                |
| 100   | Purchasing | 1 pcs |            | 12/14/18 | 0.00      | 0.00    | Purchasing            |           | DEC 28 2018    |
| 110   | Packaging  | 1 pcs |            | 12/14/18 | 0.00      | 0.00    | Packaging2            |           | DEC 28 2018    |
| 120   | QC         | 1 pcs |            | 12/14/18 | 0.00      | 0.00    | QC6                   |           | DEC 28 2018 68 |
| 130   | Small Fab  | 1 pcs |            | 12/14/18 | 0.00      | 0.10    | Small Fab-2           |           | 9-89           |
| 140   | QC         | 1 pcs |            | 12/14/18 | 0.00      | 0.00    | QC5                   |           |                |
| 150   | Packaging  | 1 pcs |            | 12/14/18 | 0.00      | 0.00    | Packaging3            |           |                |
| 160   | QC21-FG    | 1 Ea  |            | 12/14/18 | 0.00      | 0.00    | QC21                  |           | DEC 31 2018    |

Part Op 100 - Issue P/O: 041341 MANUFACTURE RB 92700-10301-041 AS PER DWG Supplier: ARROW TECH MACHINE  
Descriptions: WORKS -Certificate of conformity is required  
130 - Re-identify as required.

### PO Details

Arrow Tech Machine Works (arr002-vu)



PO No: PO041341

Line No: 11

### Job BOM

| Part / Item         | Component Name    | Quantity    | Operation      | Container |
|---------------------|-------------------|-------------|----------------|-----------|
| RB 92700-10301-041P | Pitch Beam Puller | 1 Ea (1 ea) | 100-Purchasing | 940698    |

### Job Allocations

| Operation      | Component Part      | Required | Inventory | Allocated |
|----------------|---------------------|----------|-----------|-----------|
| 100-Purchasing | RB 92700-10301-041P | 1        | 0         | 0         |

### Part Specifications

Specifications could not be found.



**Container No: S140699**



**Part: RB 92700-10301-041**

**Job No: 185622**

**Serial No/Batch: S140699**

**Revision: A**

**Inspector:**

**Exp Date:**

**Instructions:**

**Dart Aerospace Ltd.**  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 12/28/18

086  
17  
DVS

DEC 31 2018

DEC 31 2018





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**RB 92700-10301-041-PO**

**Job Sheet 185622**



**Part No:** RB 92700-10301-041-PO

**Job Qty:** 3 ea

**Part Name:** Pitch Beam Puller



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 10/31/18

**Job Tracking No:**

**Due Date:** 12/14/18

**Created By:** Patrick Lussier

**Type:** Stock

**Description:**

**Note:** DWG RB 92700-10301-041 Rev.A IPP Rev. A 18.10.29 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation  | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |            |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 100   | Purchasing | 3 pcs |            | 12/14/18 | 0.00      | 0.00    | Purchasing            |           |          |
| 110   | Packaging  | 3 pcs |            | 12/14/18 | 0.00      | 0.00    | Packaging2            |           |          |
| 120   | QC         | 3 pcs |            | 12/14/18 | 0.00      | 0.00    | QC6                   |           |          |
| 130   | Small Fab  | 3 pcs |            | 12/14/18 | 0.00      | 0.30    | Small Fab-2           |           |          |
| 140   | QC         | 3 pcs |            | 12/14/18 | 0.00      | 0.00    | QC5                   |           |          |
| 150   | Packaging  | 3 pcs |            | 12/14/18 | 0.00      | 0.00    | Packaging3            |           |          |
| 160   | QC21-FG    | 3 Ea  |            | 12/14/18 | 0.00      | 0.00    | QC21                  |           |          |

Part Op **100** - Issue P/O: 041341 MANUFACTURE RB 92700-10301-041 AS PER DWG Supplier: ARROW TECH MACHINE  
Descriptions: WORKS -Certificate of conformity is required  
**130** - Re-identify as required.

### Job BOM

| Part / Item         | Component Name    | Quantity    | Operation      | Container |
|---------------------|-------------------|-------------|----------------|-----------|
| RB 92700-10301-041P | Pitch Beam Puller | 3 Ea (1 ea) | 100-Purchasing |           |

### Job Allocations

| Operation      | Component Part      | Required | Inventory | Allocated |
|----------------|---------------------|----------|-----------|-----------|
| 100-Purchasing | RB 92700-10301-041P | 3        | 0         | 0         |

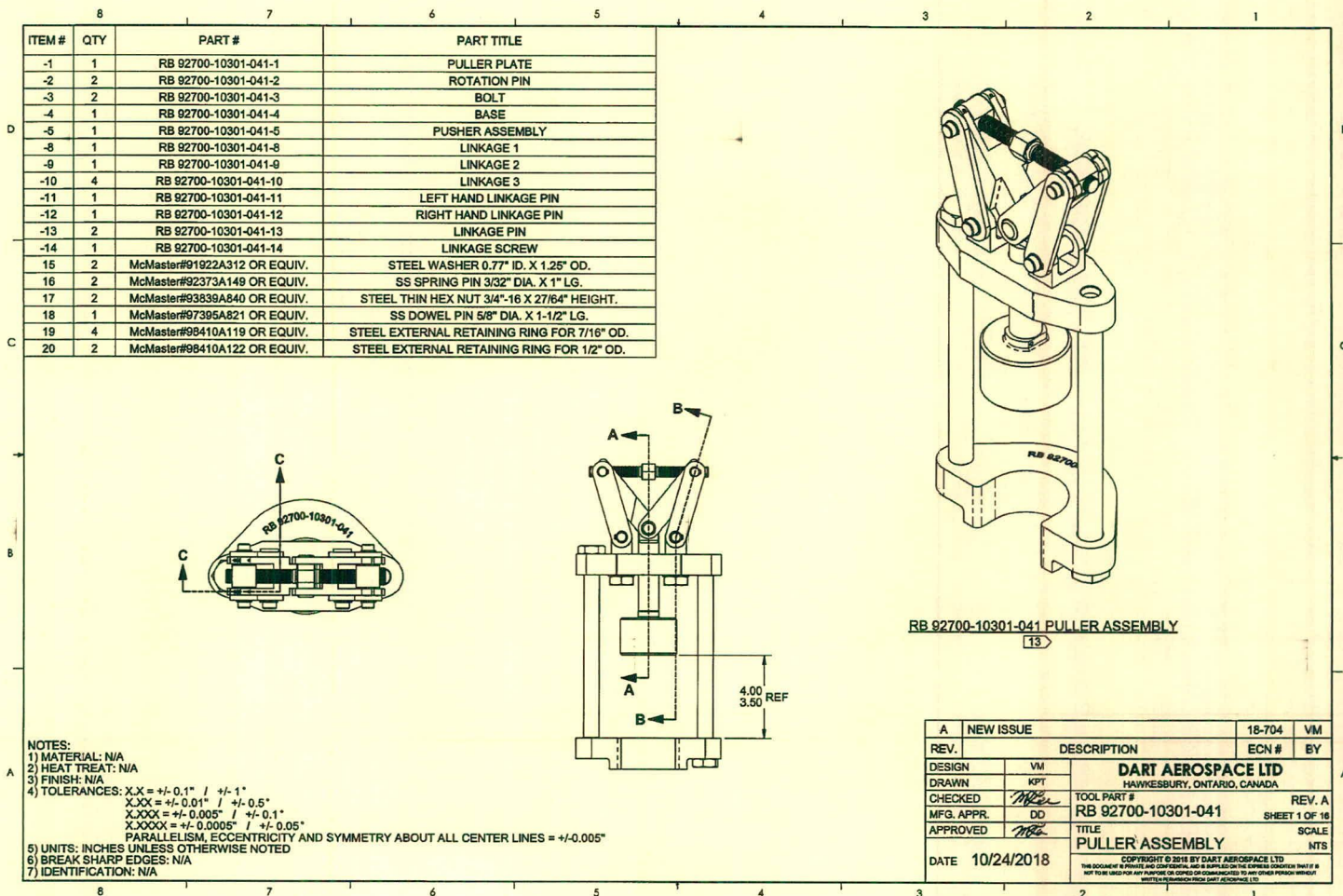
### Part Specifications

Specifications could not be found.

Plex 10/31/18 8:42 AM dart.Lussier.Patrick

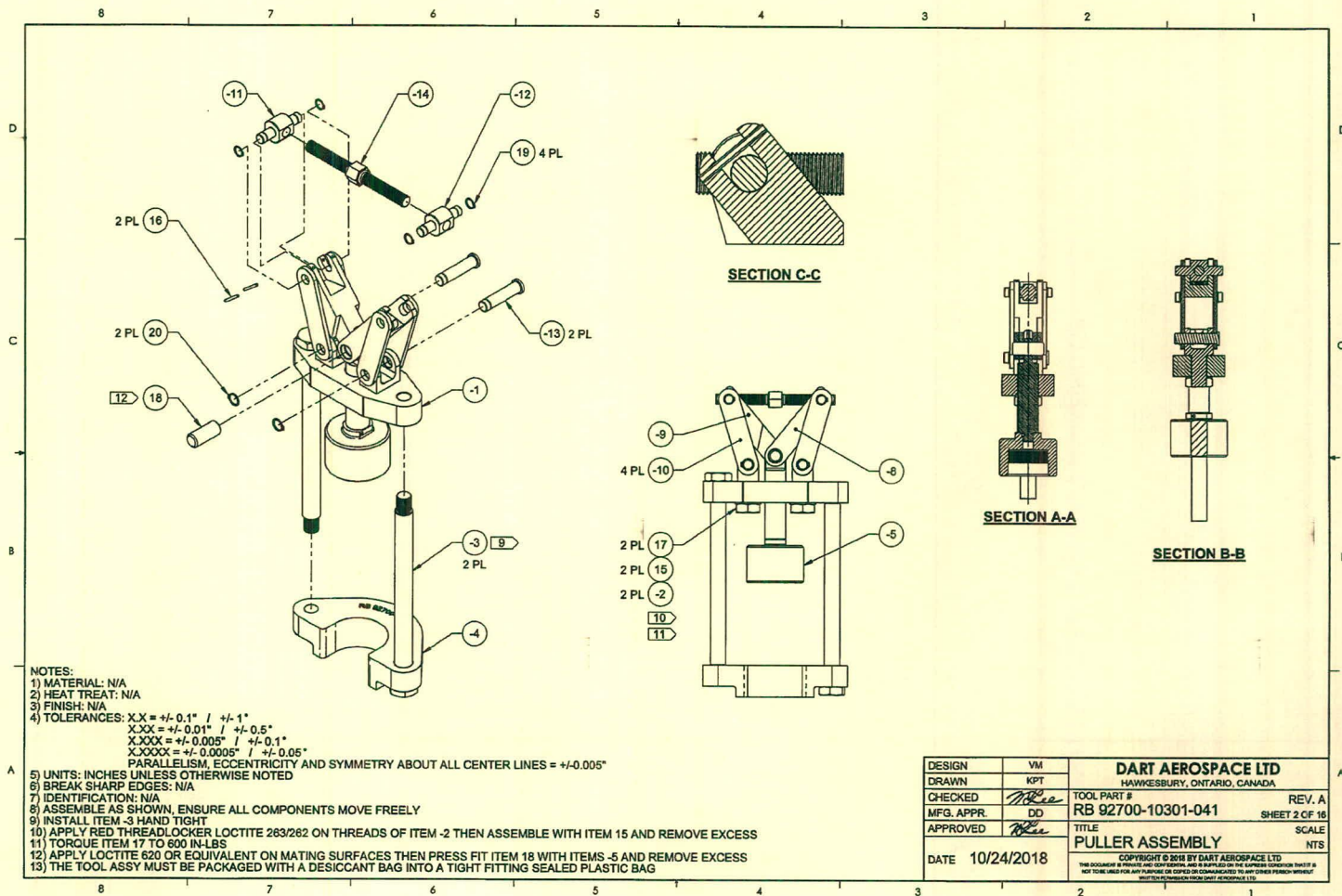








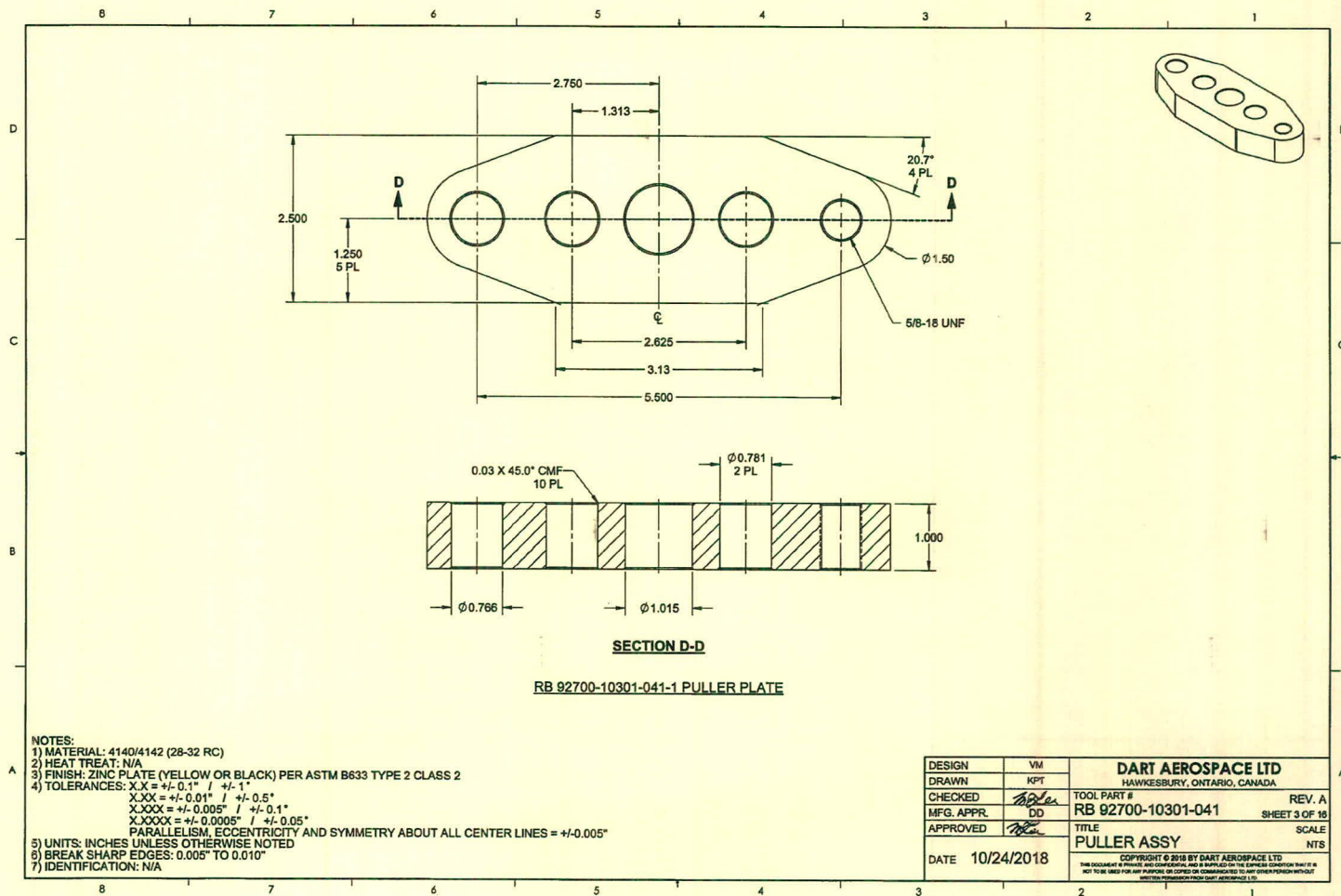




|            |                    |                             |               |
|------------|--------------------|-----------------------------|---------------|
| DESIGN     | VM                 | <b>DART AEROSPACE LTD</b>   |               |
| DRAWN      | KPT                | HAWKESBURY, ONTARIO, CANADA |               |
| CHECKED    | <i>[Signature]</i> | TOOL PART #                 | REV. A        |
| MFG. APPR. | DD                 | RB 92700-10301-041          | SHEET 2 OF 16 |
| APPROVED   | <i>[Signature]</i> | TITLE                       | SCALE         |
| DATE       | 10/24/2018         | PULLER ASSEMBLY             | NTS           |

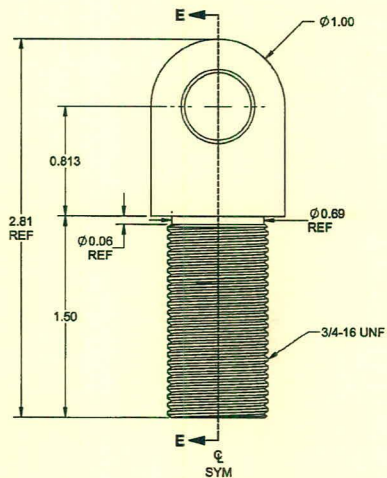
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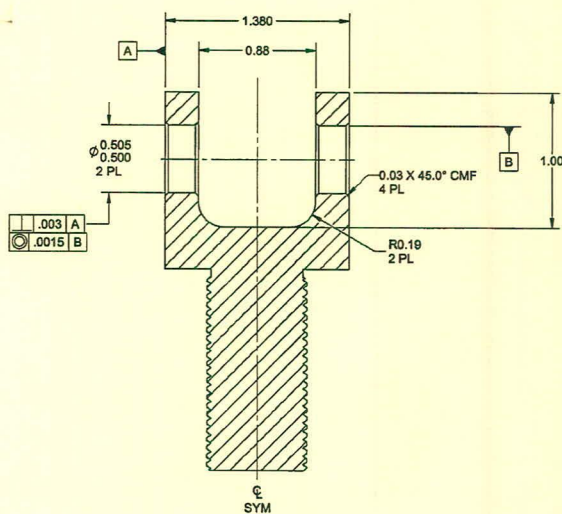








RB 92700-10301-041-2 ROTATION PIN



SECTION E-E



NOTES:

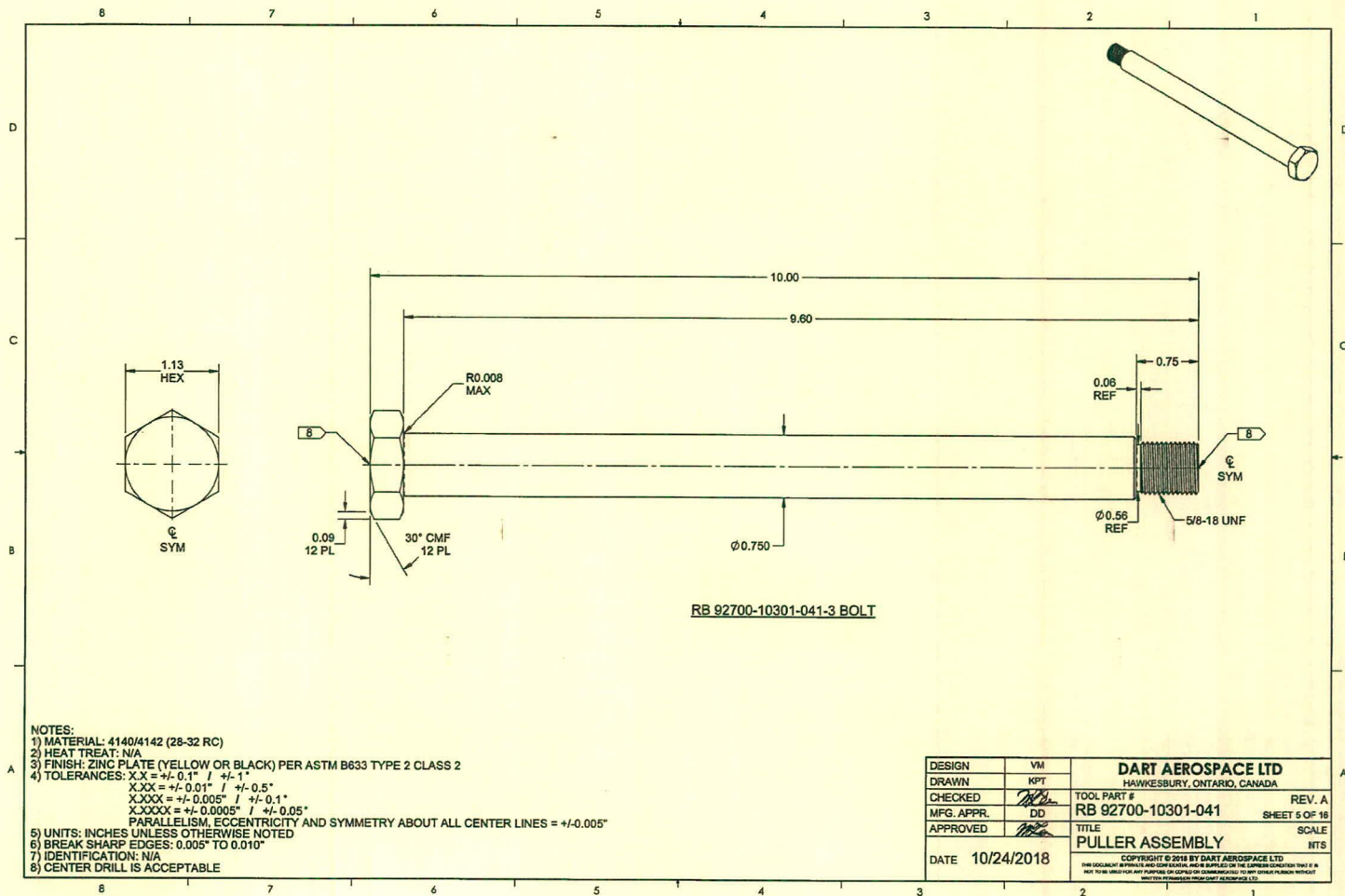
- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
- 4) TOLERANCES: XX =  $\pm 0.01$  /  $\pm 0.5$   
 XXX =  $\pm 0.005$  /  $\pm 0.1$   
 XXXX =  $\pm 0.0005$  /  $\pm 0.05$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A

|            |            |                             |               |
|------------|------------|-----------------------------|---------------|
| DESIGN     | VM         | DART AEROSPACE LTD          |               |
| DRAWN      | KPT        | HAWKESBURY, ONTARIO, CANADA |               |
| CHECKED    | DD         | TOOL PART #                 | REV. A        |
| MFG. APPR. | DD         | RB 92700-10301-041          | SHEET 4 OF 16 |
| APPROVED   | DD         | TITLE                       | SCALE         |
| DATE       | 10/24/2018 | PULLER ASSY                 | NTS           |

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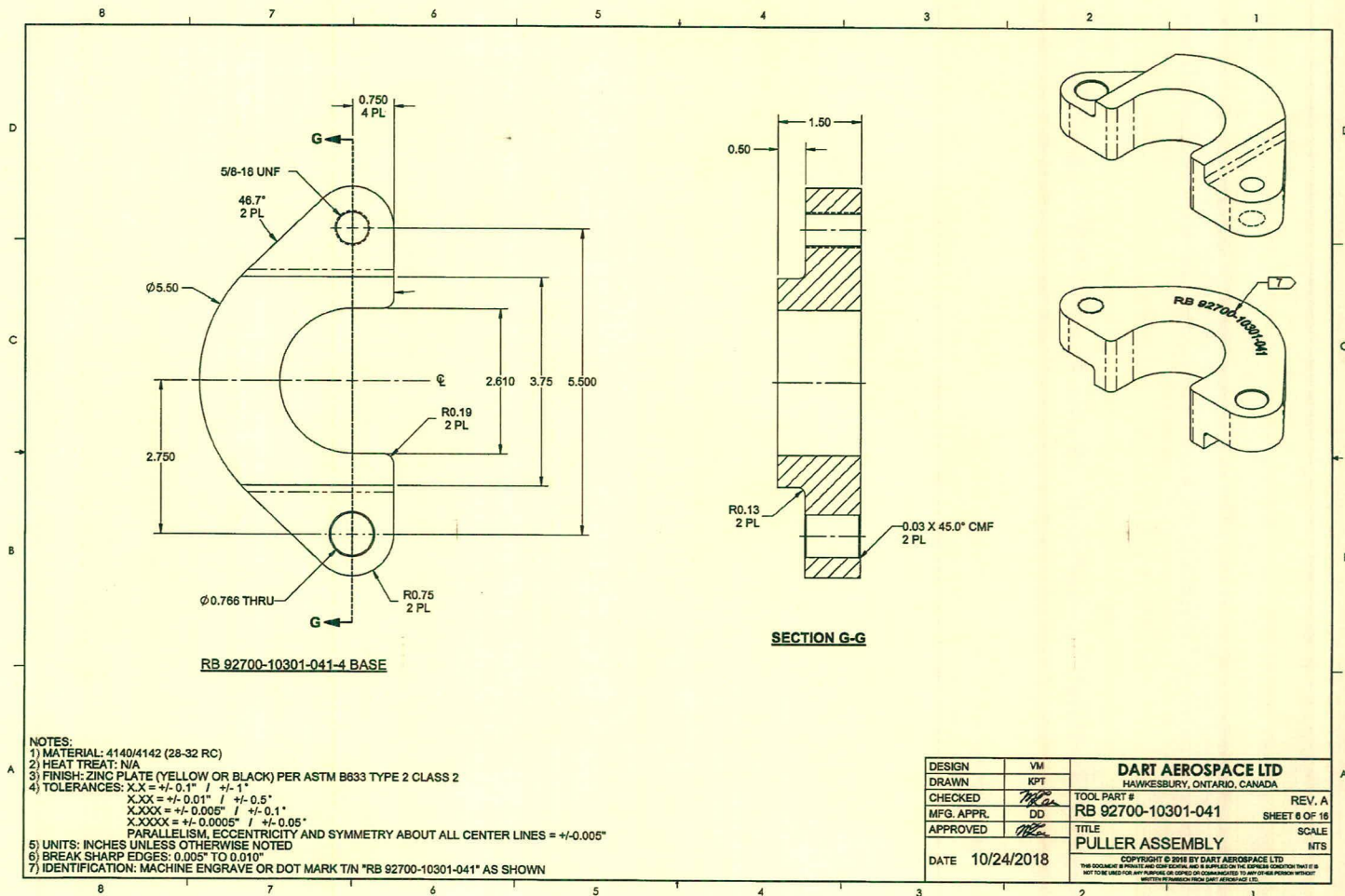


**NOTES:**

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
- 4) TOLERANCES: XX =  $\pm 0.1"$  /  $\pm 1"$   
 XXX =  $\pm 0.01"$  /  $\pm 0.5"$   
 XXXX =  $\pm 0.005"$  /  $\pm 0.1"$   
 XXXXX =  $\pm 0.0005"$  /  $\pm 0.05"$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A
- 8) CENTER DRILL IS ACCEPTABLE

|            |            |                                                                                                                                                                                      |               |
|------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| DESIGN     | VM         | <b>DART AEROSPACE LTD</b>                                                                                                                                                            |               |
| DRAWN      | KPT        | HAWKESBURY, ONTARIO, CANADA                                                                                                                                                          |               |
| CHECKED    | DD         | TOOL PART #                                                                                                                                                                          | REV. A        |
| MFG. APPR. | DD         | RB 92700-10301-041                                                                                                                                                                   | SHEET 5 OF 18 |
| APPROVED   | DD         | TITLE                                                                                                                                                                                | SCALE         |
|            |            | PULLER ASSEMBLY                                                                                                                                                                      | NTS           |
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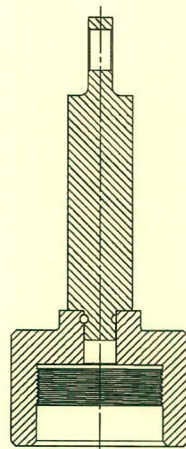
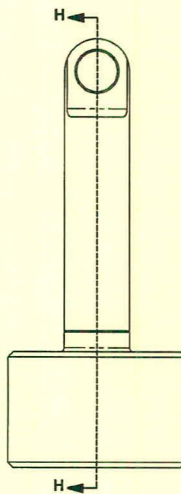




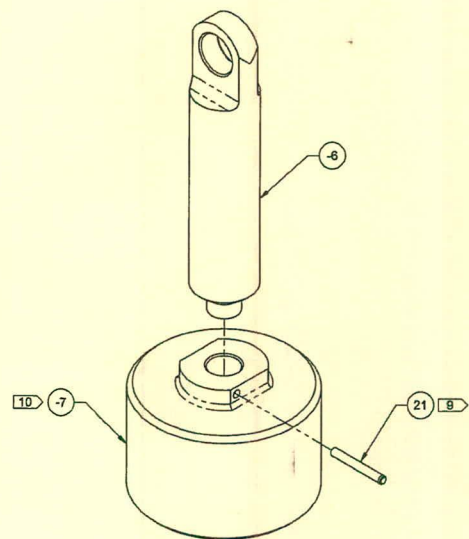




| ITEM # | QTY | PART #                       | PART TITLE                      |
|--------|-----|------------------------------|---------------------------------|
| -6     | 1   | RB 92700-10301-041-6         | PUSHER PIN                      |
| -7     | 1   | RB 92700-10301-041-7         | PUSHER BASE                     |
| 21     | 1   | McMaster#97395A452 OR EQUIV. | SS DOWEL PIN 1/8" DIA. X 1" LG. |



SECTION H-H



RB 92700-10301-041-5 PUSHER ASSEMBLY

NOTES:

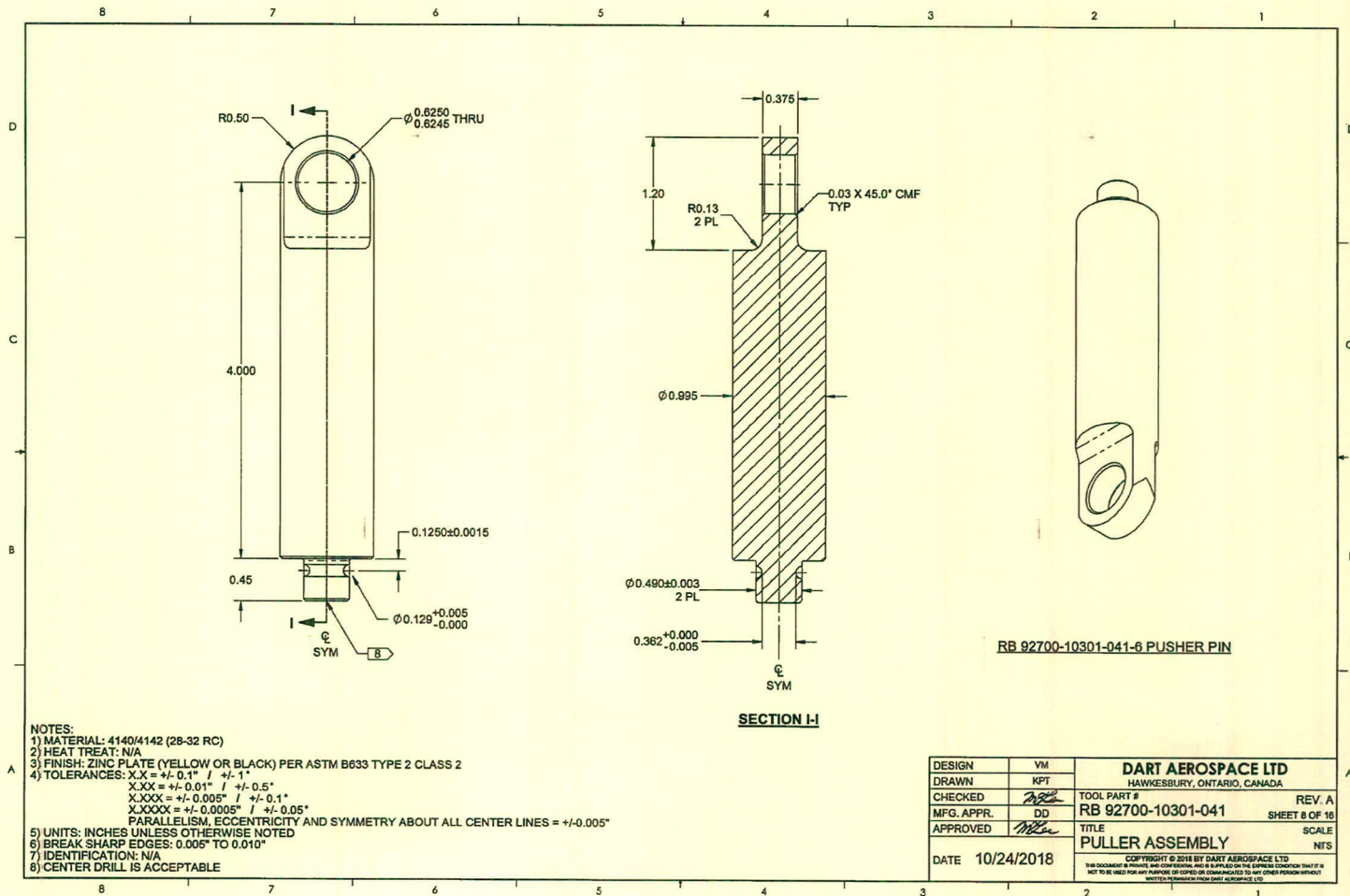
- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X =  $\pm 0.1"$  /  $\pm 1"$   
X.XX =  $\pm 0.01"$  /  $\pm 0.5"$   
X.XXX =  $\pm 0.005"$  /  $\pm 0.1"$   
X.XXXX =  $\pm 0.0005"$  /  $\pm 0.05"$   
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005"$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ASSEMBLE AS SHOWN
- 9) APPLY LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM 21 WITH ITEM -7 AND REMOVE EXCESS
- 10) ITEM -7 MUST ROTATE FREELY

|            |                    |                             |               |
|------------|--------------------|-----------------------------|---------------|
| DESIGN     | VM                 | <b>DART AEROSPACE LTD</b>   |               |
| DRAWN      | KPT                | HAWKESBURY, ONTARIO, CANADA |               |
| CHECKED    | <i>[Signature]</i> | TOOL PART #                 | REV. A        |
| MFG. APPR. | DD                 | RB 92700-10301-041          | SHEET 7 OF 16 |
| APPROVED   | <i>[Signature]</i> | TITLE                       | SCALE         |
| DATE       | 10/24/2018         | PULLER ASSEMBLY             | NTS           |

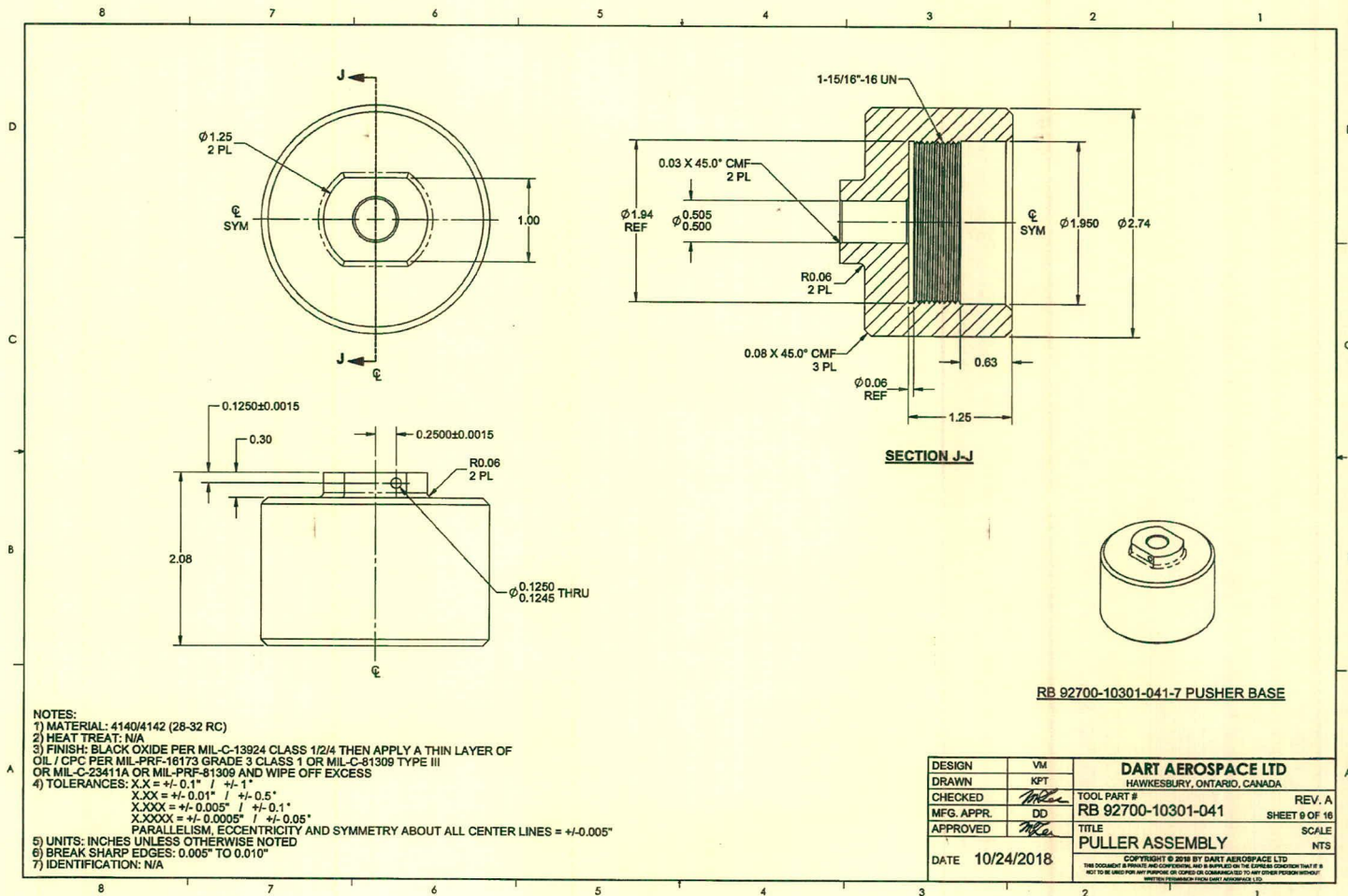
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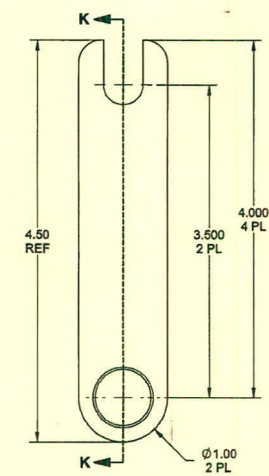




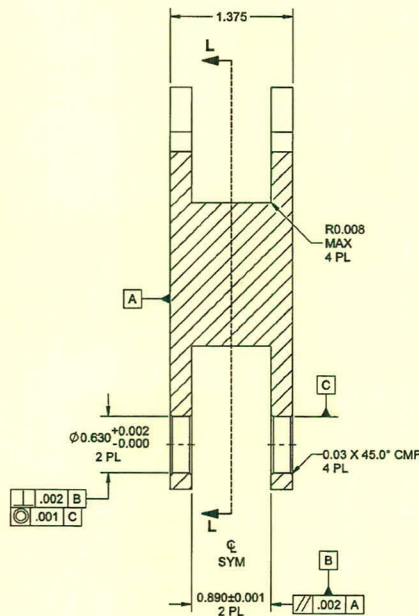




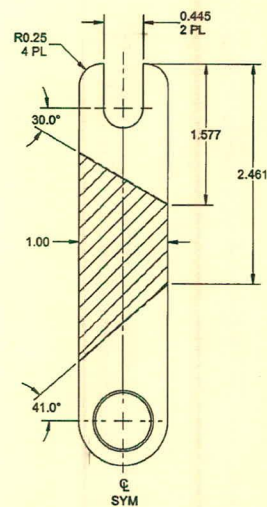




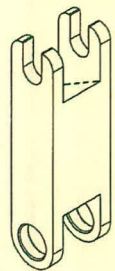
RB 92700-10301-041-8 LINKAGE 1



SECTION K-K



SECTION L-L

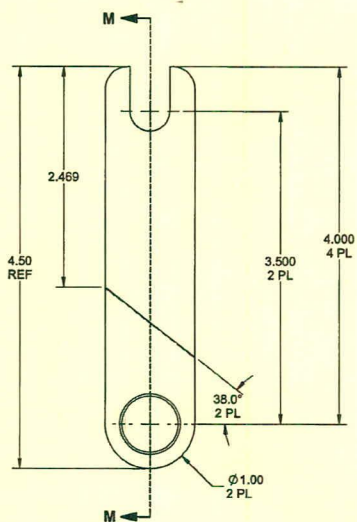


- NOTES:
- 1) MATERIAL: 4140/4142 (28-32 RC)
  - 2) HEAT TREAT: N/A
  - 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
  - 4) TOLERANCES: XX =  $\pm 0.1$  /  $\pm 1$   
 X.XX =  $\pm 0.01$  /  $\pm 0.5$   
 X.XXX =  $\pm 0.005$  /  $\pm 0.1$   
 X.XXXX =  $\pm 0.0005$  /  $\pm 0.05$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005$
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
  - 7) IDENTIFICATION: N/A
  - 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF  $\pm 0.005$  PER CAD FILE RB 92700-10301-041-8.STEP

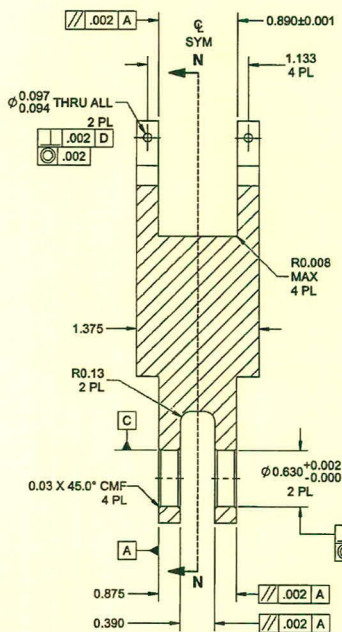
|            |            |                             |                |
|------------|------------|-----------------------------|----------------|
| DESIGN     | VM         | DART AEROSPACE LTD          |                |
| DRAWN      | KPT        | HAWKESBURY, ONTARIO, CANADA |                |
| CHECKED    | ME         | TOOL PART #                 | REV. A         |
| MFG. APPR. | DD         | RB 92700-10301-041          | SHEET 10 OF 18 |
| APPROVED   | ME         | TITLE                       | SCALE          |
| DATE       | 10/24/2018 | PULLER ASSEMBLY             | NTS            |

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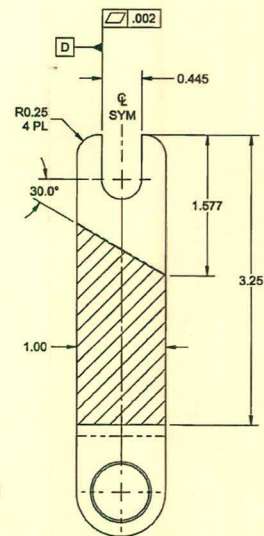




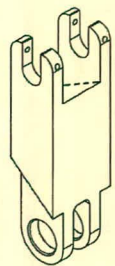
RB 92700-10301-041-9 LINKAGE 2  
[8]



SECTION M-M



SECTION N-N

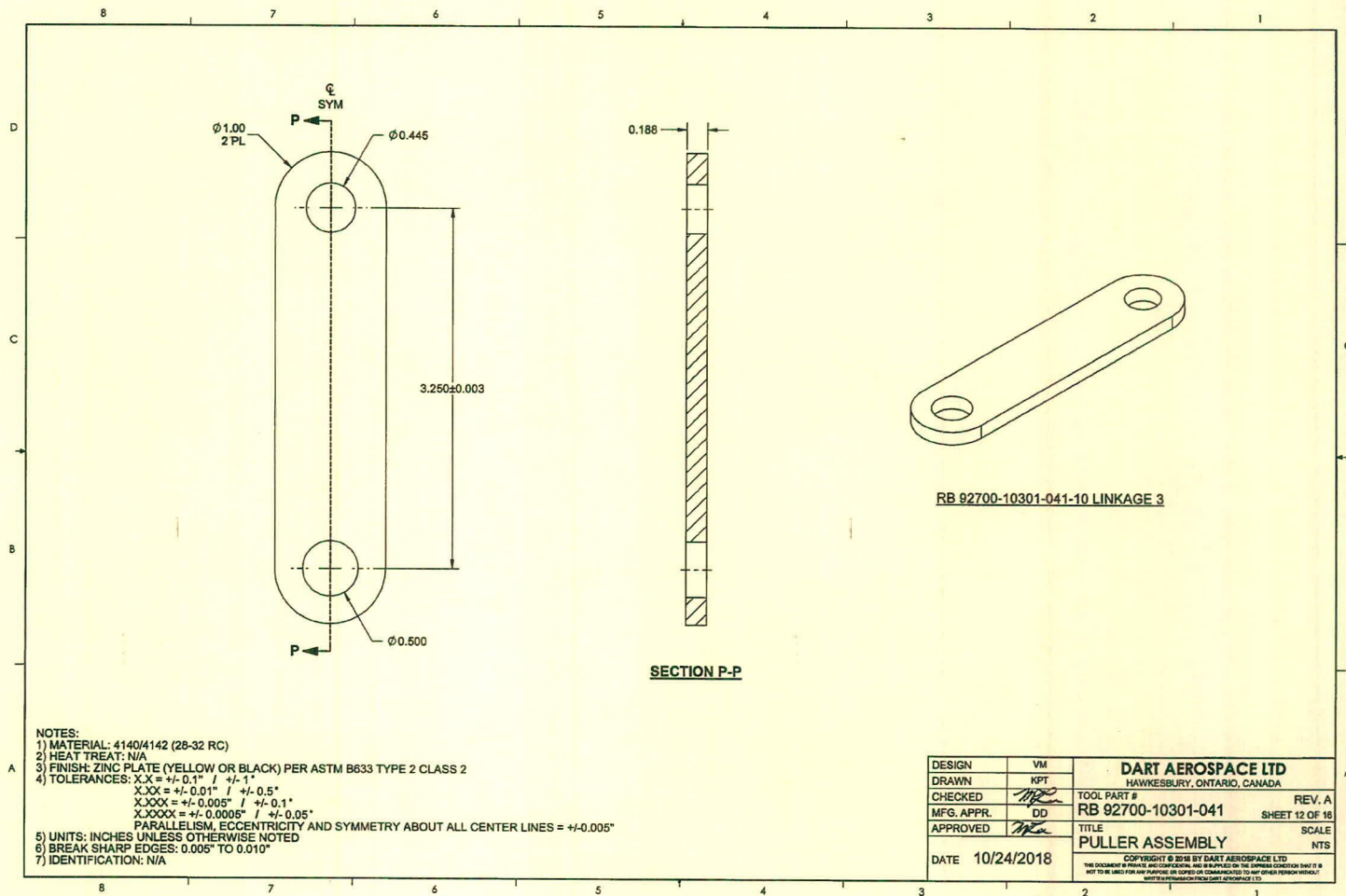


- NOTES:
- 1) MATERIAL: 4140/4142 (28-32 RC)
  - 2) HEAT TREAT: N/A
  - 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
  - 4) TOLERANCES:  $XX = \pm 0.1" / \pm 1"$   
 $XXX = \pm 0.01" / \pm 0.5"$   
 $XXXX = \pm 0.005" / \pm 0.1"$   
 $XXXXX = \pm 0.0005" / \pm 0.05"$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005"$
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
  - 7) IDENTIFICATION: N/A
  - 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF  $\pm 0.005"$  PER CAD FILE RB 92700-10301-041-9.STEP

|                                                                                                                                                                                                                                     |            |                                        |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------|----------------|
| DESIGN                                                                                                                                                                                                                              | VM         | DART AEROSPACE LTD                     |                |
| DRAWN                                                                                                                                                                                                                               | KPT        | HAWKESBURY, ONTARIO, CANADA            |                |
| CHECKED                                                                                                                                                                                                                             | <i>AKC</i> | TOOL PART #                            | REV. A         |
| MFG. APPR.                                                                                                                                                                                                                          | DD         | RB 92700-10301-041                     | SHEET 11 OF 16 |
| APPROVED                                                                                                                                                                                                                            | <i>AKC</i> | TITLE                                  | SCALE          |
|                                                                                                                                                                                                                                     |            | PULLER ASSEMBLY                        | NTS            |
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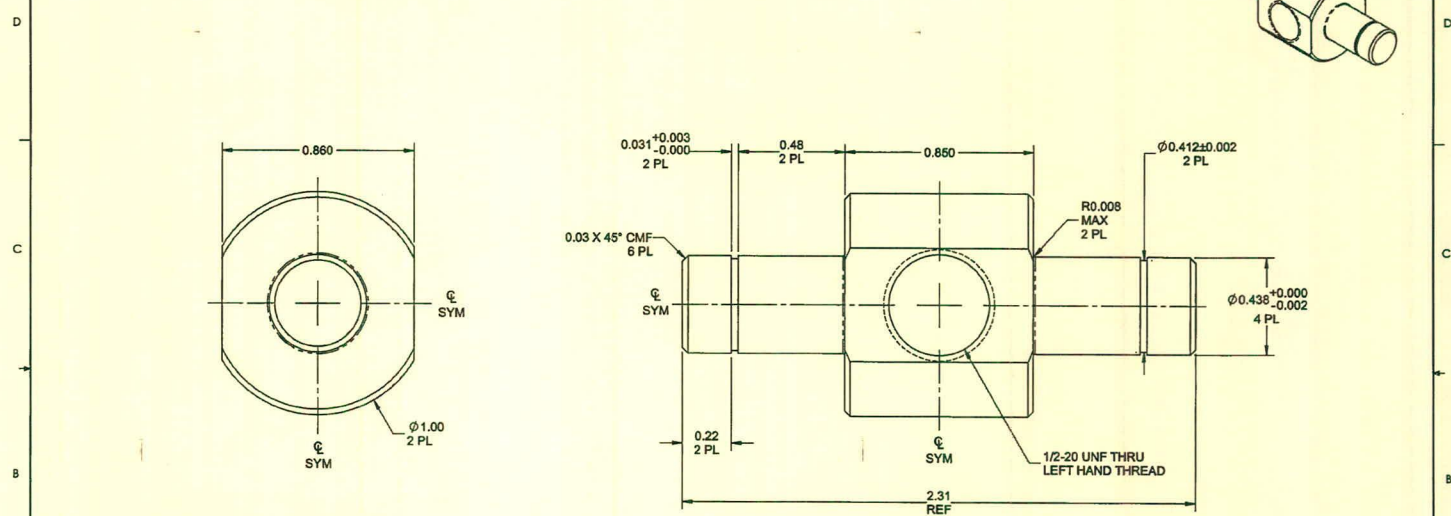
# NOTES:

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: ZINC PLATE (YELLOW OR BLACK) PER ASTM B633 TYPE 2 CLASS 2
- 4) TOLERANCES: X.X =  $\pm 0.1^{\circ}$  /  $\pm 1^{\circ}$   
X.XX =  $\pm 0.01^{\circ}$  /  $\pm 0.5^{\circ}$   
X.XXX =  $\pm 0.005^{\circ}$  /  $\pm 0.1^{\circ}$   
X.XXXX =  $\pm 0.0005^{\circ}$  /  $\pm 0.05^{\circ}$   
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005^{\circ}$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A

|                                                                                                                                                                                                                                         |            |                                        |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------|----------------|
| DESIGN                                                                                                                                                                                                                                  | VM         | DART AEROSPACE LTD                     |                |
| DRAWN                                                                                                                                                                                                                                   | KPT        | HAWKESBURY, ONTARIO, CANADA            |                |
| CHECKED                                                                                                                                                                                                                                 | MR         | TOOL PART #                            | REV. A         |
| MFG. APPR.                                                                                                                                                                                                                              | DD         | RB 92700-10301-041                     | SHEET 12 OF 16 |
| APPROVED                                                                                                                                                                                                                                | MR         | TITLE                                  | SCALE          |
|                                                                                                                                                                                                                                         |            | PULLER ASSEMBLY                        | NTS            |
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8 7 6 5 4 3 2 1



RB 92700-10301-041-11 LEFT HAND LINKAGE PIN

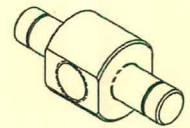
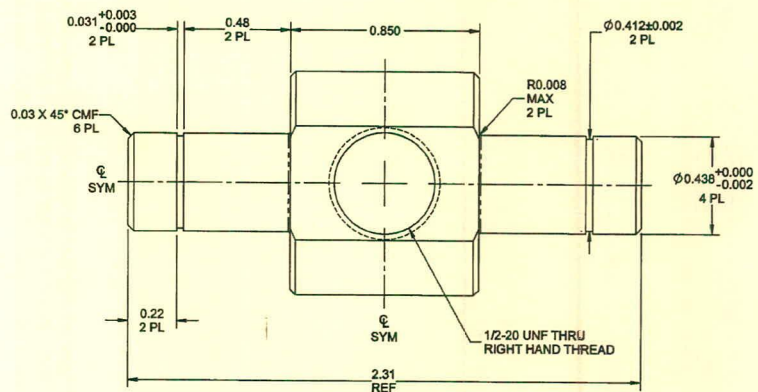
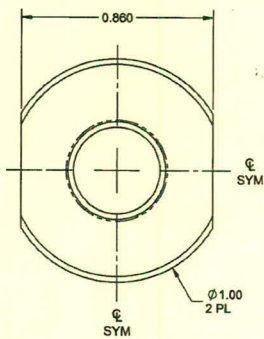
- NOTES:
- 1) MATERIAL: 4140/4142 (28-32 RC)
  - 2) HEAT TREAT: N/A
  - 3) FINISH: BLACK OXIDE PER MIL-C-13024 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
  - 4) TOLERANCES: X.X =  $\pm 0.1$  /  $\pm 1$   
 X.XX =  $\pm 0.01$  /  $\pm 0.5$   
 X.XXX =  $\pm 0.005$  /  $\pm 0.1$   
 X.XXXX =  $\pm 0.0005$  /  $\pm 0.05$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005$
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
  - 7) IDENTIFICATION: N/A

|                                                                                                                                                                                                                                                                                               |                    |                                                          |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------|----------------|
| DESIGN                                                                                                                                                                                                                                                                                        | VM                 | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |                |
| DRAWN                                                                                                                                                                                                                                                                                         | KPT                |                                                          |                |
| CHECKED                                                                                                                                                                                                                                                                                       | <i>[Signature]</i> | TOOL PART #                                              | REV. A         |
| MFG. APPR.                                                                                                                                                                                                                                                                                    | DD                 | RB 92700-10301-041                                       | SHEET 13 OF 16 |
| APPROVED                                                                                                                                                                                                                                                                                      | <i>[Signature]</i> | TITLE                                                    | SCALE          |
| DATE 10/24/2018                                                                                                                                                                                                                                                                               |                    | PULLER ASSEMBLY                                          | NTS            |
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8 7 6 5 4 3 2 1







RB 92700-10301-041-12 RIGHT HAND LINKAGE PIN

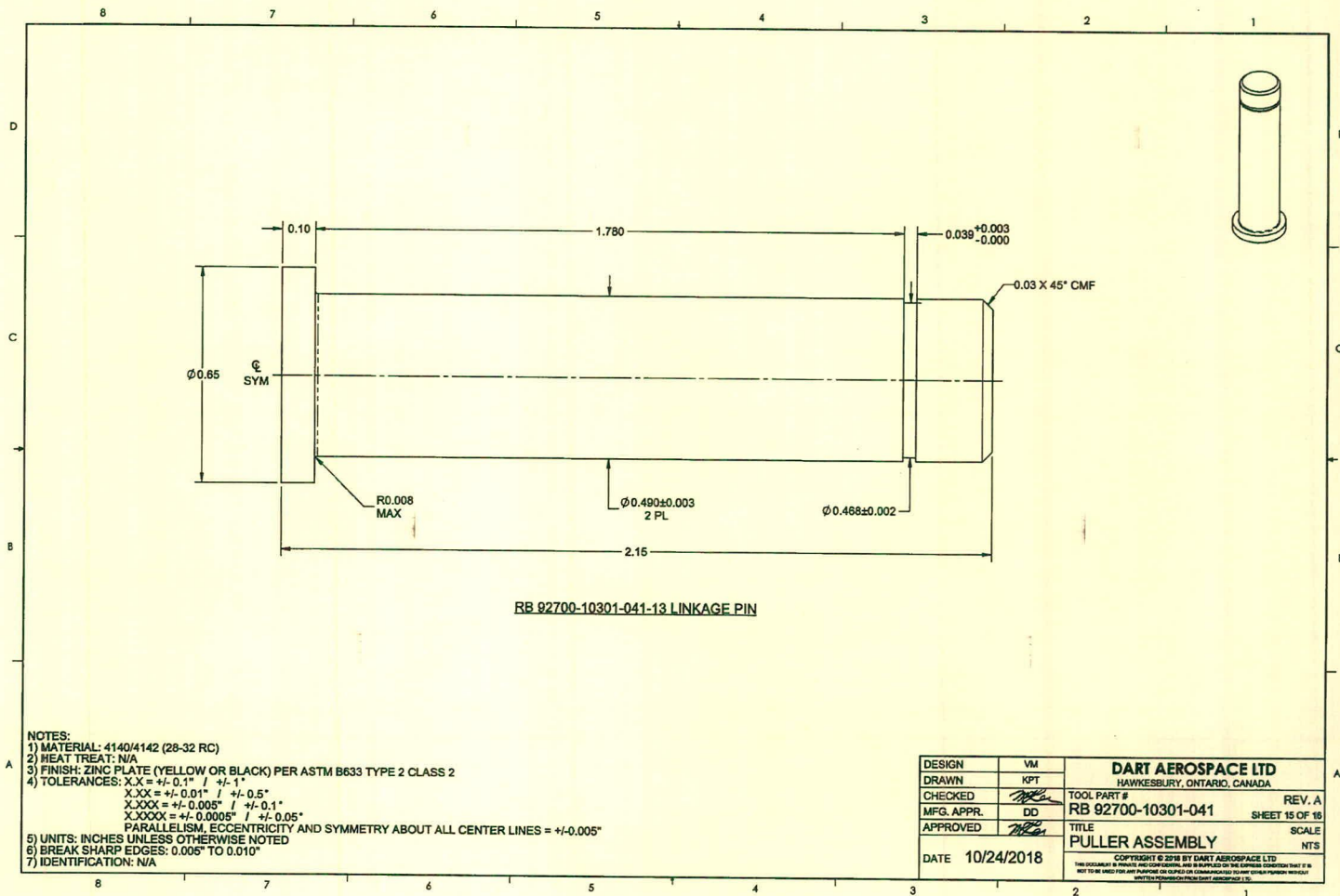
NOTES:

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1"  
X.XX = +/- 0.01" / +/- 0.5"  
X.XXX = +/- 0.005" / +/- 0.1"  
X.XXXX = +/- 0.0005" / +/- 0.05"  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A

|                 |     |                             |                |
|-----------------|-----|-----------------------------|----------------|
| DESIGN          | VM  | DART AEROSPACE LTD          |                |
| DRAWN           | KPT | HAWKESBURY, ONTARIO, CANADA |                |
| CHECKED         | ML  | TOOL PART #                 | REV. A         |
| MFG. APPR.      | DD  | RB 92700-10301-041          | SHEET 14 OF 16 |
| APPROVED        | ML  | TITLE                       | SCALE          |
| DATE 10/24/2018 |     | PULLER ASSEMBLY             | NTS            |

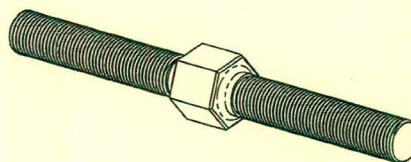
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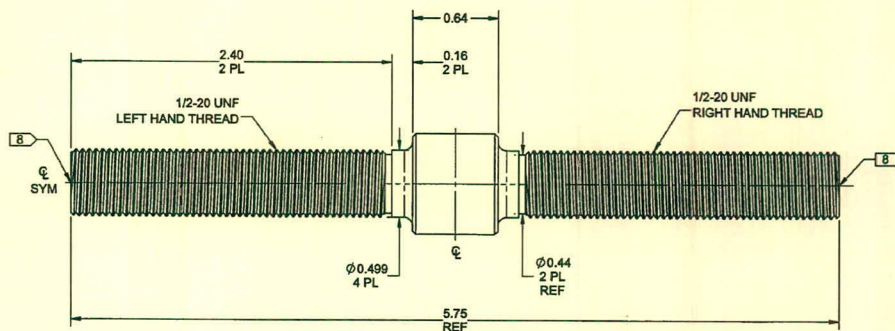
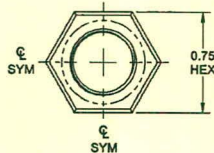








RB 92700-10301-041 LINKAGE SCREW



NOTES:

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-12924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: XX =  $\pm 0.1^\circ$  /  $\pm 1^\circ$   
 XXX =  $\pm 0.01^\circ$  /  $\pm 0.5^\circ$   
 XXXX =  $\pm 0.005^\circ$  /  $\pm 0.1^\circ$   
 XXXXX =  $\pm 0.0005^\circ$  /  $\pm 0.05^\circ$   
 PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES =  $\pm 0.005^\circ$
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A
- 8) CENTER DRILL IS ACCEPTABLE

|            |                    |                             |                |
|------------|--------------------|-----------------------------|----------------|
| DESIGN     | VM                 | <b>DART AEROSPACE LTD</b>   |                |
| DRAWN      | KPT                | HAWKESBURY, ONTARIO, CANADA |                |
| CHECKED    | <i>[Signature]</i> | TOOL PART #                 | REV. A         |
| MFG. APPR. | DD                 | RB 92700-10301-041          | SHEET 18 OF 18 |
| APPROVED   | <i>[Signature]</i> | TITLE                       | SCALE          |
| DATE       | 10/24/2018         | PULLER ASSEMBLY             | NTS            |

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO041341**

**Supplier:** ARR002-VU  
Arrow Tech Machine Works  
29751 E. Enid Road,  
Unit C  
Eugene, OR 97402 USA  
Phone: 541-780-6938  
Fax: 458-215-4938

**PO No:** PO041341  
**PO Date:** 10/12/18  
**Due Date:** 12/21/18  
**Purchase Order Revision:**  
**Revision Date:**  
**Ship-To Contact:** Belanger, NatashaPhone:

**Ship To:**

**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

| Items               |        |                        |                  |         |                               |        |         |          |                |                   |         |                  |                |
|---------------------|--------|------------------------|------------------|---------|-------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| Line Item           | Job    | Part                   | Supplier Part No | Item No | Description                   | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
| 11                  | 185622 | RB<br>92700-10301-041P |                  |         | Pitch Beam Puller<br>REV A    | Firmed | -       | 12/21/18 | 1 Ea           | 0 Ea              | 1 Ea    | \$1,500.00/Ea    | \$1,500.00     |
| Line Item Note SIOP |        |                        |                  |         |                               |        |         |          |                |                   |         |                  |                |
| 16                  | 185663 | RB<br>92700-10334-042P |                  |         | Engine Lifting Sling<br>REV A | Firmed | -       | 12/21/18 | 3 Ea           | 0 Ea              | 3 Ea    | \$0.01/Ea        | \$0.03         |
| Line Item Note SIOP |        |                        |                  |         |                               |        |         |          |                |                   |         |                  |                |
| 49                  | 187974 | RB<br>92700-10301-041P |                  |         | Pitch Beam Puller             | Firmed | -       | 12/21/18 | 2 Ea           | 0 Ea              | 2 Ea    | \$0.01/Ea        | \$0.02         |
| Grand Total:        |        |                        |                  |         |                               |        |         |          |                |                   |         | \$1,500.05       |                |

## Order Notes

### Procurement Quality Clauses

A005 RIGHT OF ENTRY  
A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)  
A012 CHEMICAL AND PHYSICAL TEST REPORTS  
A016 PERSONNEL QUALIFICATION  
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)  
A026 CERTIFICATION OF MATERIAL CONFORMANCE  
A041 QUALITY MANAGEMENT SYSTEM  
A042 DART NOTIFICATION BY SUPPLIER  
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

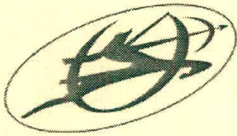
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 12/28/18 2:04 PM dart.tsimiklis.chrisoula









**PHGE Machineworks dba  
Arrowtech Machineworks**  
29751 E Enid Rd. Unit C  
Eugene, Oregon 97402  
Phone: (541) 780-6938  
Fax: (458) 215-4938

## Packing Slip

NO. 376

Date: 12/27/2018  
PO Ref: 041341 ✓  
Ship via: Fedex Priority

Bill To:  
Dart Aerospace  
1270 Aberdeen St. Hawkesbury, ON  
CANADA K6A 1K7

Ship To:  
Dart Aerospace  
1271 Aberdeen St. Hawkesbury, ON  
CANADA K6A 1K8

| Qty | Item                                 | Part No.                |
|-----|--------------------------------------|-------------------------|
| 3 ✓ | HANDLE ASSEMBLY                      | RB 92700-10349-041-5 ✓  |
| 3 ✓ | SEAL CASE REMOVER ASSEMBLY           | RB 92700-10349-041-8 ✓  |
| 3 ✓ | SEAL RING REMOVER                    | RB 92700-10349-041-12 ✓ |
| 3 ✓ | REMOVAL TOOL ASSEMBLY                | RB 92700-10329-041-4 ✓  |
| 3 ✓ | INPUT MODULE SEAL INSTALLER ASSEMBLY | RB 92700-10308-041-4 ✓  |
| 1 ✓ | PITCH BEAM PULLER                    | RB 92700-10301-041 ✓    |
| 1 ✓ | TR NUT WRENCH                        | RB 92700-10307-041 ✓    |

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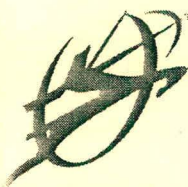
Received by: \_\_\_\_\_

Packaged by: AK

Checked by: CS

Thank You





**ARROW TECH MACHINE WORKS**

## **Certificate of Conformance**

Your Purchase Order No: 041341 ✓

Dated: 12/27/2018

Our Order / Job No: 041341-11AWT

Order Qty: 1 ✓

Part Name: PITCH BEAM PULLER

Part Number: RB 92700-10301-041 ✓

Lot Size: N/A

Ship Date: 12/27/2018

We certify that these parts shipped to you are of domestic or international manufacture and conform to all requirements of the Purchase Order. These parts have been manufactured and inspected in accordance with all required specifications, instructions and drawings. Any applicable specifications are listed below:

Drawing Number: RB 92700-10301-041

Rev: A

Material Size and Type: -1, -2, -4, -8, -9, -10/4140 STEEL; -3, -6, -7, -11, -12, -13, -14/4140 Q & T

Material Specifications: STEEL: ASTM A108, ASTM A29

Heat Treatment: (-1, -2, -4, -8, -9, -10 @ 31 HRC)

Plating/Finish: Black Oxide: QMSI-6.2.2 B.O. REV D; Zinc Plate Yellow: ASTM B633 TYPE 2 CLASS 2

**Mercury Contamination:** The material used to process this order has not come in contact with mercury or mercury bearing instruments.

Date: \_\_\_\_\_

12/27/18

Signed: \_\_\_\_\_

---

PHGE Machine Works LLC dba Arrow Tech Machine Works  
29751 E. Enid Rd. Unit C Eugene, Oregon 97402  
Main: (541) 780-6938 | Fax: (458) 215-4938  
[www.atechmachineworks.com](http://www.atechmachineworks.com)

DAS  
68  
9-89



5

83  
60